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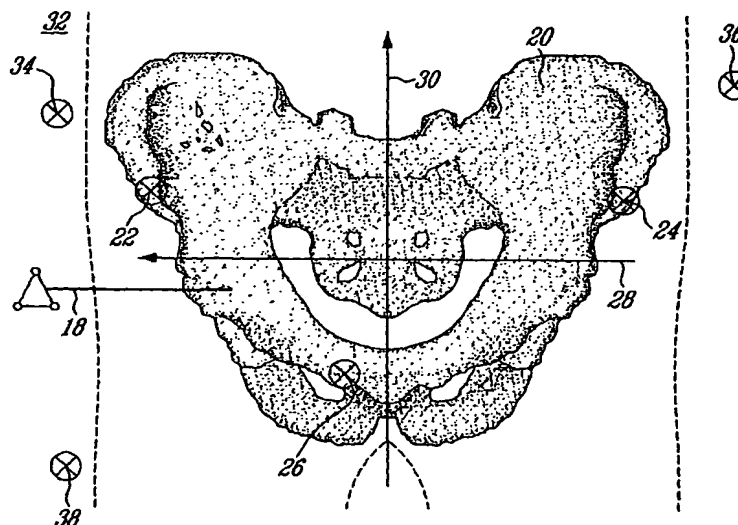
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(54) Title: A METHOD FOR PROVIDING PELVIC ORIENTATION INFORMATION IN COMPUTER-ASSISTED SURGERY



(57) Abstract: A computer-assisted surgery system for guiding an operator in altering a pelvis. A sensing apparatus is provided for tracking a reference tool and a bone altering tool. A position calculator calculates a position and orientation of a pelvic frame of reference as a function of the tracking of the reference tool, and for calculating a position and orientation of the bone altering tool with respect to the frame of reference. A source of posture data and a posture data correction calculator are provided and are operative to provide a display of information allowing an operator to take into consideration the posture data from the source of posture data when altering the pelvis. A display unit is connected to the position calculator and to the posture data correction calculator for displaying the display of information and the bone altering tool with respect to the pelvic frame of reference.